

**NATURAL RESOURCES CONSERVATION SERVICE**  
**Wyoming**  
**CONSTRUCTION SPECIFICATIONS**  
**FOR**  
**IRRIGATION CANAL OR LATERAL**

(Owner/Operator)	(Project Title)
<p><b>GENERAL</b></p>	
<p>Installation shall be in accordance with an approved design and plan. Details of construction shown on the drawings but not included herein are considered as a part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.</p>	<p>pneumatically tired equipment over the entire surface area of each lift.</p>
<p><b>FOUNDATION PREPARATION</b></p>	<p>The surface of the fill and the materials being placed shall be maintained within the range of plus or minus 2 percent for optimum compaction. Generally when soil materials are squeezed in the hand they will form and retain a ball shape, but no free water will appear.</p>
<p>The foundation area for all canal or lateral ditch pads and embankments shall be cleared and stripped of all brush, roots, sod, large rock or other material not suited for making a compacted earthfill.</p>	<p>Materials that are too wet will be removed and or reworked until excess moisture is removed.</p>
<p><b>EXCAVATION</b></p>	<p>Water will be added to borrow materials that are too dry, either at the borrow area or on the fill. Where practical water shall be added at the borrow source. Fill materials that dry between placement of lifts shall be removed/reworked/wetted to the required moisture content and re-compacted before the placement of additional fill.</p>
<p>Canal or laterals shall be excavated to the lines and specified grades as shown on the drawings or as staked in the field. The finished cross-section shall have a smooth surface.</p>	<p><b>STRUCTURES</b></p>
<p>Excess materials shall be disposed of in designated spoil disposal areas. Overfill on canal or lateral banks is permissible if it does not interfere with the function of the ditch or related structures.</p>	<p>Structures shall be installed in conjunction with the ditch when shown or listed on the drawings. Construction shall be in accordance with applicable Wyoming Construction Specification 578 or as noted in ADDITIONAL SPECIFICATIONS of this Specification.</p>
<p><b>EMBANKMENTS</b></p>	<p><b>ADDITIONAL SPECIFICATIONS</b></p>
<p>Embankment materials shall be free of brush, roots, sod, rock or other material not suited for making earthfill. Moisture content and method of placing in nearly horizontal lifts and method of compaction with equipment shall result in a firm compacted fill.</p>	
<p>The thickness of layers prior to compaction shall not be more than 8 inches in thickness. Compaction shall be no less than two passes of</p>	